

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-354
Relating to Certification of New Motor Vehicle Heavy-Duty Engines

GENERAL MOTORS CORPORATION

Pursuant to the authority vested in the Air Resources Board by Sections 43100, 43102, and 43103 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-3;

IT IS ORDERED AND RESOLVED: That the following General Motors Corporation 1986 model-year heavy-duty diesel engines have shown compliance with the optional transient test procedure and standards and are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating greater than 8500 pounds:

| <u>Engine Family</u> | <u>Displacement Cubic Inches (Liters)</u> | <u>Exhaust Emission Control Systems (Special Features)</u> |
|----------------------|---|--|
| GGM08.2EAB3 | 500 (8.2) | Engine Modification (Diesel Injection - Direct) (Turbocharged) |

Engine models and codes are listed on attachments.

The following are the certification emission values for these engine families:

| <u>Engine Family</u> | <u>Hydrocarbons gm/bhp-hr</u> | <u>Carbon Monoxide gm/bhp-hr</u> | <u>Nitrogen Oxides gm/bhp-hr</u> |
|----------------------|-----------------------------------|--|--------------------------------------|
| GGM08.2EAB3 | 0.8 | 2.6 | 4.7 |

BE IT FURTHER RESOLVED: That the Executive Officer has been provided all material required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2036).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order.

Executed at El Monte, California this 13th day of September, 1985.

Bob Gross for
K. D. Drachand, Chief
Mobile Source Division

1986 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
HEAVY-DUTY DIESEL ENGINES

Manufacturer GENERAL MOTORS CORPORATION
Engine Family GGM08.2EAB3 CID (Liter)-Type 500 (8.2) - V8
ECS (Special Features) EM, TC (DID), MFI

| Engine Model (Engine Code) | Fuel Injection Pump Mfr. Part Number | Injector Mfr. Part Number | Maximum Rated HP and RPM | Fuel Rate at Maximum HP mm ³ /stroke | Label Ident. |
|-------------------------------|---|-------------------------------------|--------------------------------|---|-----------------|
| V8-8.2T | NA | 4E67 GMC 5226180 | 205@3000 | 65.1 | 8927427 |
| | | 4K60 GMC 5226445 | 165@2600 | 58.5 | |

ISSUED: 08-09-85

REVISED:

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